

## Tallies, Frequency Charts, and Line Plots

**Tallies** are marks that help to organize a large set of data. Each tally mark indicates one time that the value appeared in the data.

A **frequency chart** can help you list the data quickly. Each value that appeared in the data is followed by the number of times it appeared.

### — Example —

Use the data to make a frequency chart.  
How many words have 4 letters?

Number of Letters in Each Word in a Given Paragraph  
8, 3, 4, 2, 3, 2, 3, 5, 4, 1, 9, 5, 3, 1, 4, 4

Step 1: List the number of letters in order from 1 to 9.

Step 2: Record a tally mark for each item.  
Place a tally mark next to 8. Do this for each of the data.

Step 3: Count the tally marks to find the frequency of each item. There are two tallies next to 1, so the frequency is 2. Do this for every item.

Since there are 4 tallies for words with 4 letters, there are 4 words that contained 4 letters.

Number of Words

Number of letters	Tally marks	Frequency
1		2
2		2
3		4
4		4
5		2
6		0
7		0
8		1
9		1

**Try It** Use the data to make a frequency chart. How many sentences in the short story have 13 words?

Number of Words in 12 Sentences  
12, 11, 10, 13, 8, 13, 10, 9, 7, 8, 7, 10

Number of Sentences

Number of words	Tally marks	Frequency

- Record a tally mark for the number of words in each sentence.
- Total the tallies and write the frequency for each sentence length.
- How many sentences have 13 words? \_\_\_\_\_